

Figure 1

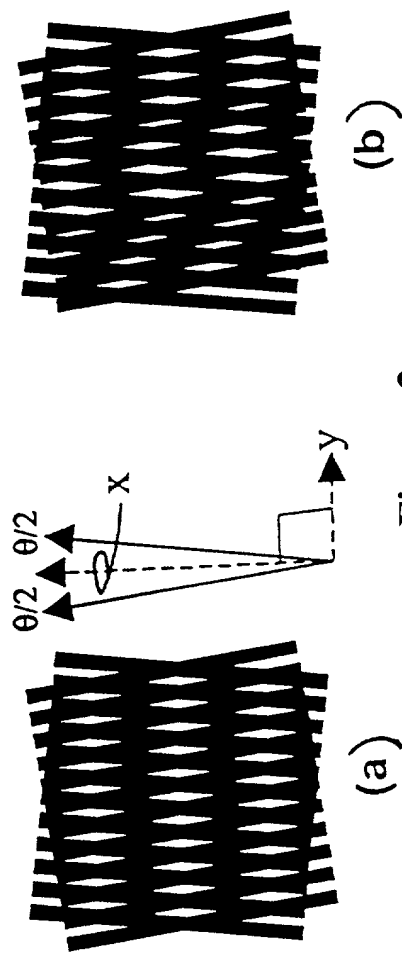
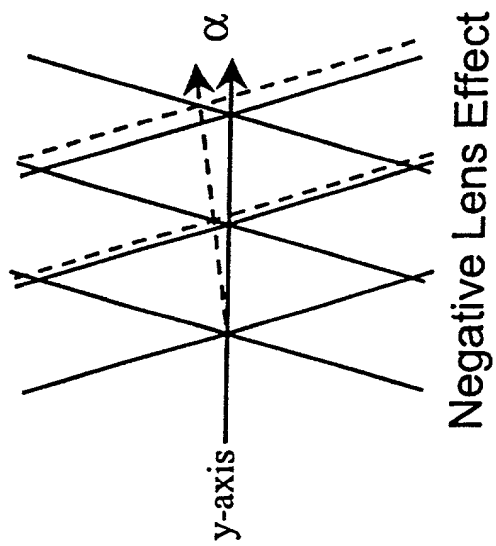
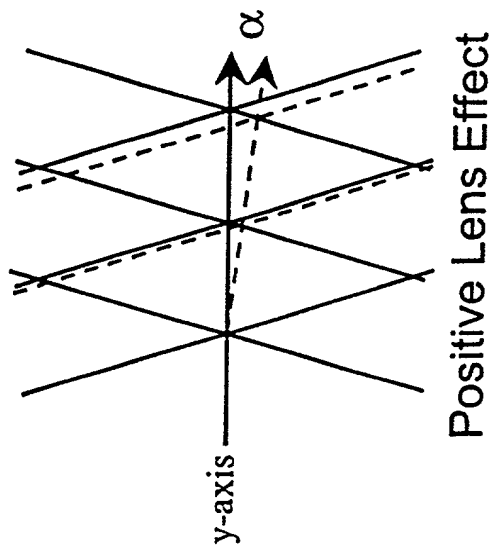


Figure 2

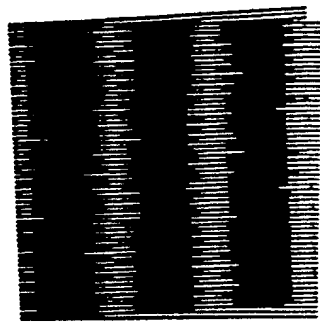


(a)

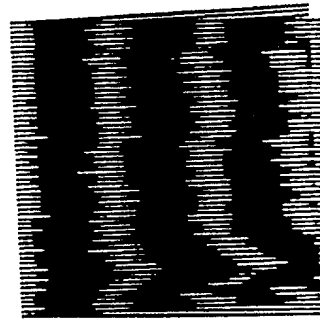


(b)

Figure 3



(a)



(b)

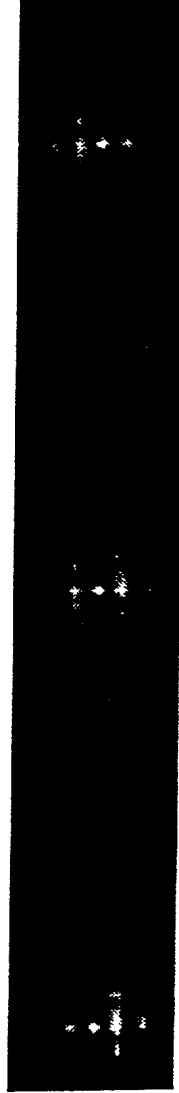
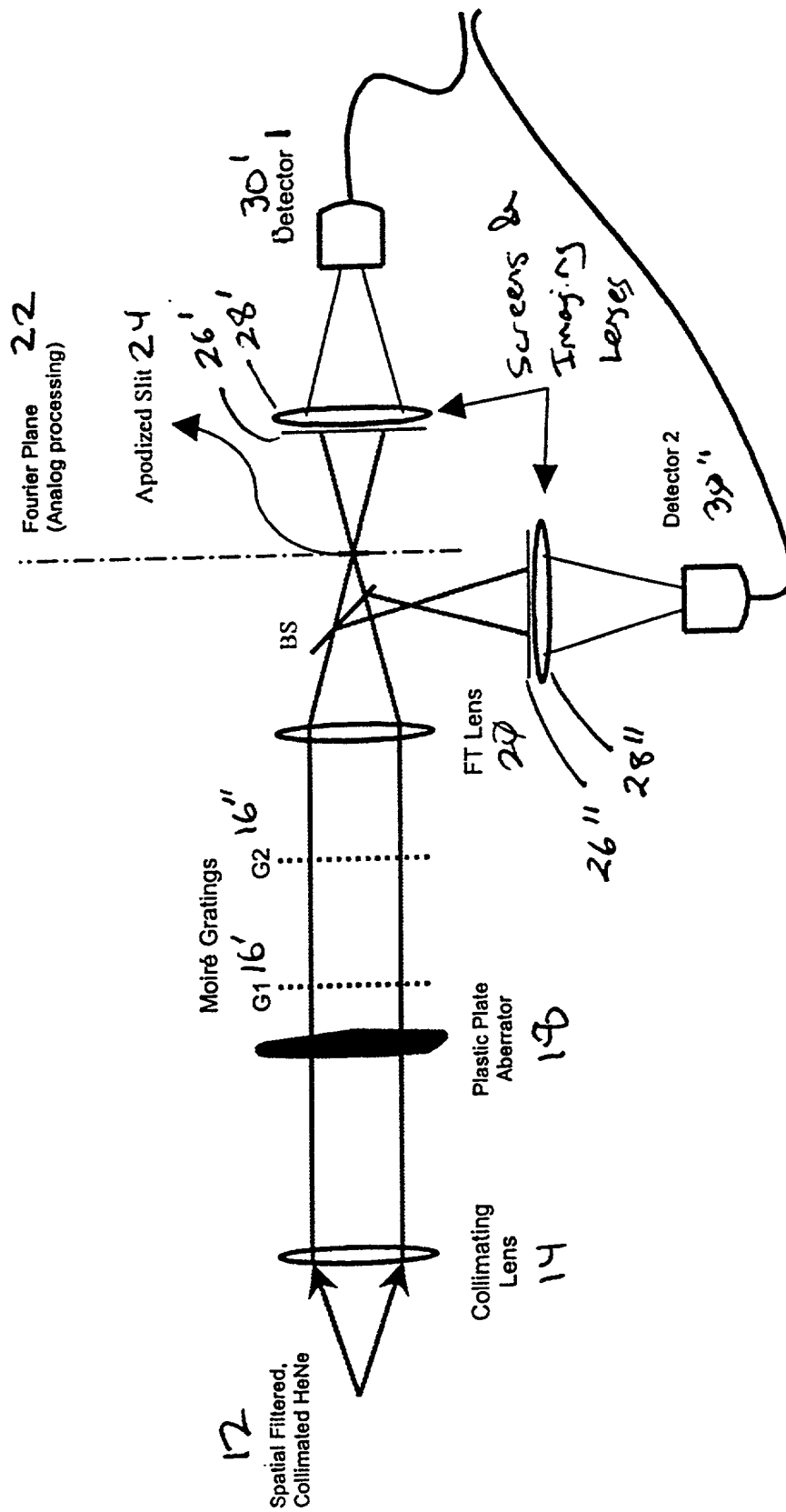


Figure 4



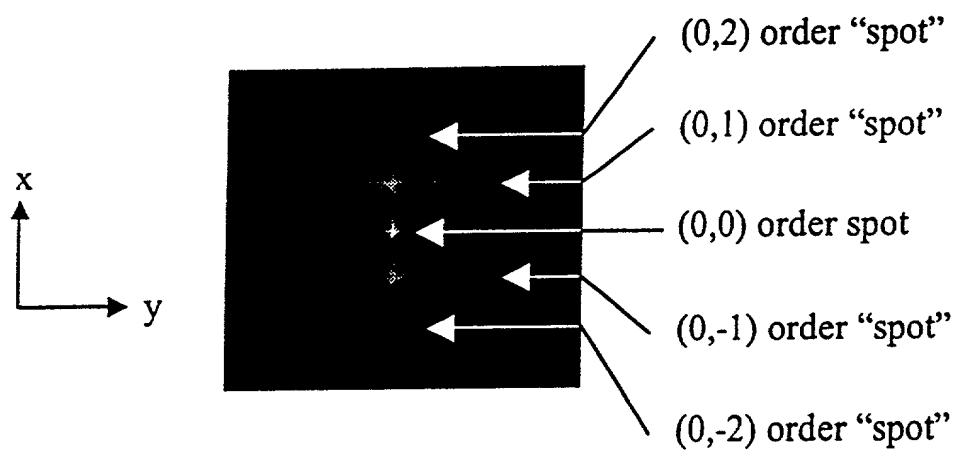


Figure 6

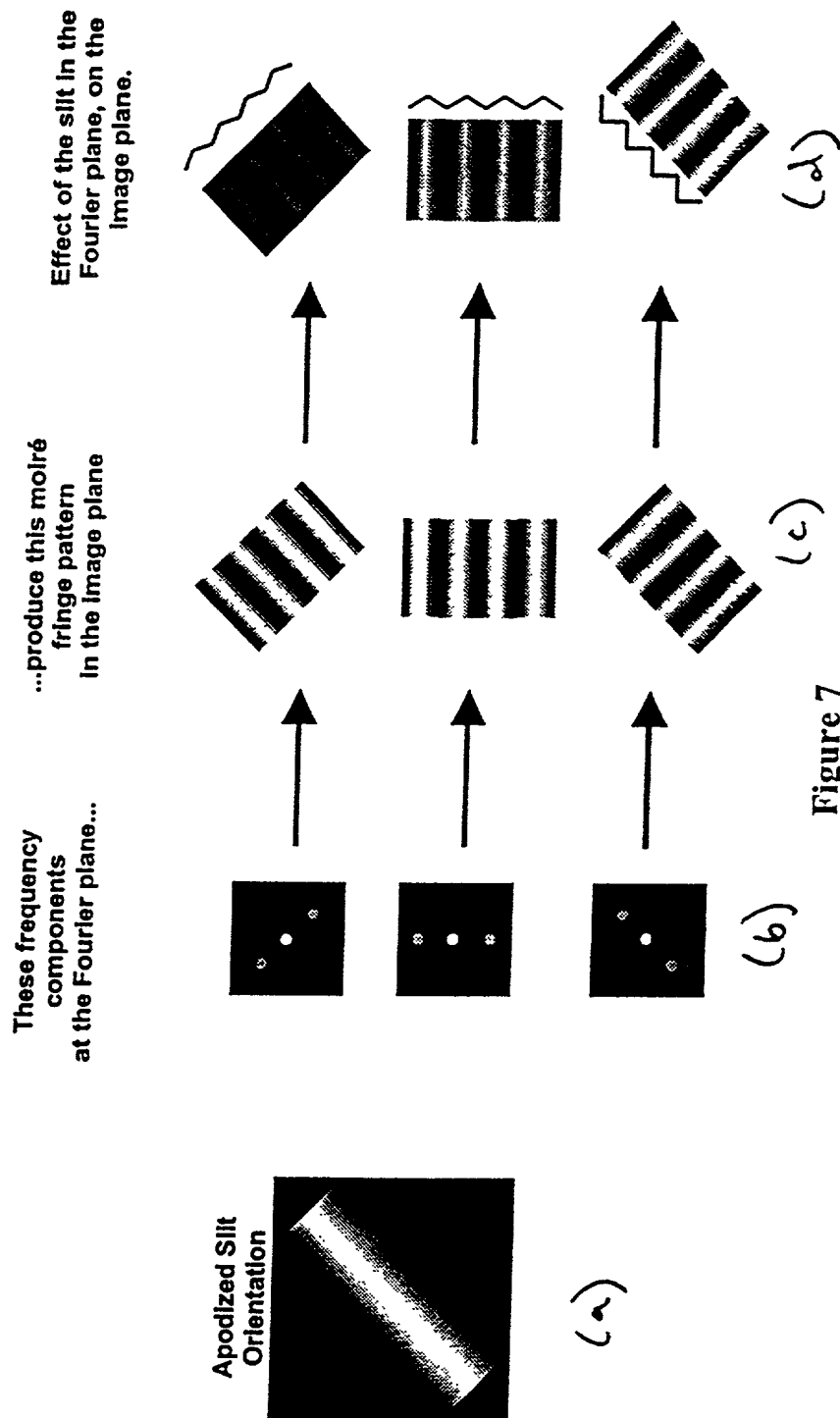
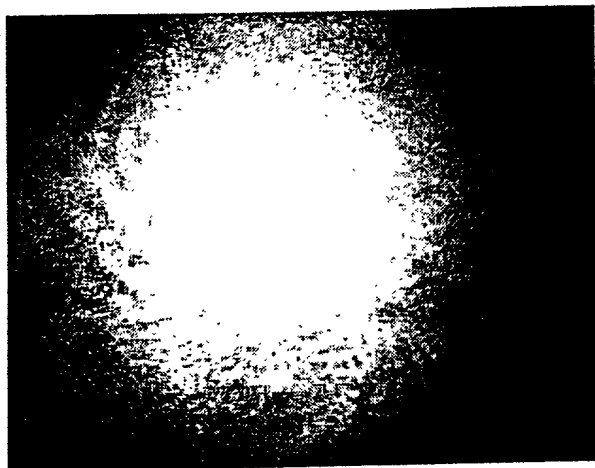
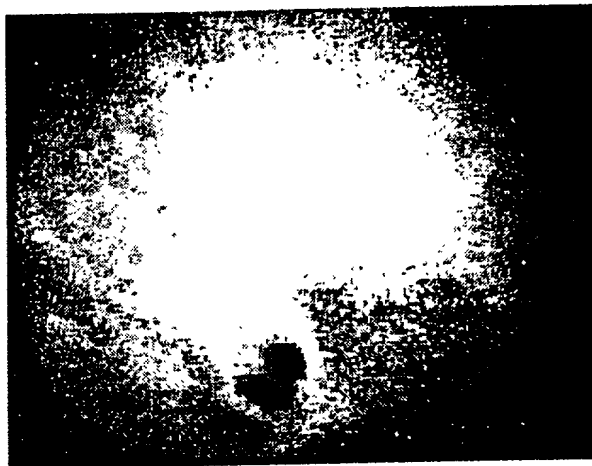


Figure 7



- Moiré Deflectogram – Air Slit**
- Camera does not resolve fringes.
 - Imperfect gratings cause secondary fringes.

(a)



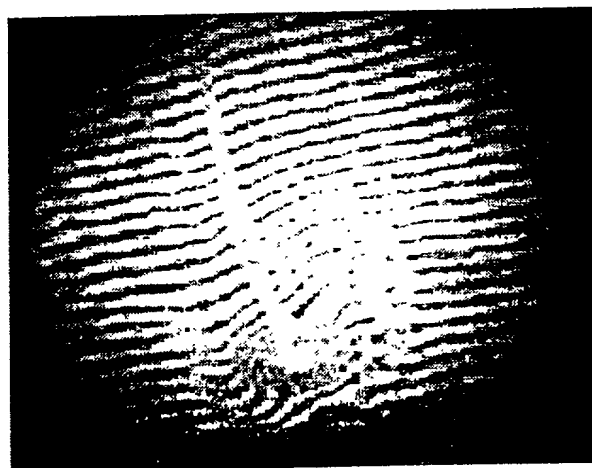
- Moiré Deflectogram Apodized Slit**
- Very different intensity pattern.

(b)



- Normalized Pattern**
- All fringe slope information across the profile has equal weighting.
 - Proportional to 2nd wavefront derivative.

(c)



- Macroscopic Fringe Deflectogram for Comparison**
- Typical deflectogram (camera resolves fringes)

(d)

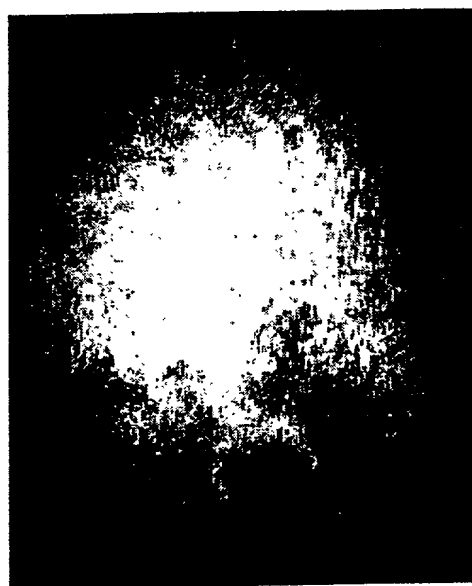
Figure 8



Moiré Deflectogram -- Air Slit

- Camera does not resolve fringes.
- Imperfect gratings cause secondary fringes.

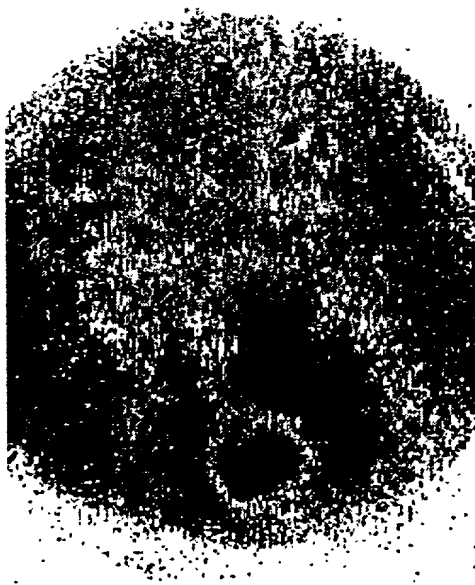
(a)



Moiré Deflectogram -- Apodized Slit

- Very different intensity pattern
- Looks like a 3D surface illuminated from the upper left.

(b)



Normalized Pattern

- All fringe slope information across the profile has equal weighting.

(c)

Figure 9